

## City of Flagstaff Wildcat Hill WWTP - Dredging Solids Dewatering System

### Capital Cost Estimate (Based on One Year Use)

Item Description	Units	Capital Cost	Operational Cost
Mobilization/Demobilization	1 Each	\$5,000	
Clearing/Grubbing of Solids Settling Basin (SSB) III	0 SY	\$0	
Dredge SSB I and SSB II (One Dredging to Last the Year)	2 SSBs	\$750,000	
Furnish New Dredging Equipment For Plant	1 Each	\$356,000	
Prime and 2-Inch Thick Asphaltic Concrete	0 SY	\$0	
Grade and Compact Access Roadway to SSB III	0 SY	\$0	
6" Thick Compacted Aggregate Access Roadway Base	0 SY	\$0	
Prime and 3-Inch Thick Asphaltic Concrete Roadway	0 SY	\$0	
Geotube <sup>®</sup> - 60-Foot Circumference X 50-Foot Length	0 LF	\$0	
Maintenance	1 LS	\$0	\$5,000
Filter Fabric	0 Rolls	\$0	
Dewatering System Site Set-Up	1 Each	\$5,000	
Piping, Valving, and Appurtenances	1 Each	\$5,000	
Connection to Existing System - Piping to Headworks	1 Each	\$50,000	
Dewatering Polymer Pilot Testing (and Site Start-Up)	0 Each		\$0
Dewatering Polymer (Purchase)	0 Totes		\$0
Construction and Operation Superintendent	0 Each		\$0
Hauling (6,000 CY – Worst-Case Scenario All Haul)	6,000 CY	\$0	\$78,000
Disposal (\$40/Load Tipping Fee)	500 Loads	\$0	\$20,000
Permitting (City of Flagstaff and ADEQ)	2 Each	\$10,000	
Engineering – Design Services	1 Each	\$54,000	
Engineering – CA&I Services	1 Each	\$44,000	
Engineering – Allowances	4 Each	\$20,000	
Flagstaff Project Administration	0 Each	\$0	
<b>Subtotal =</b>		<b>\$1,299,000</b>	<b>\$103,000</b>

**City of Flagstaff Wildcat Hill WWTP - Dredging Solids Dewatering System**

**Capital Cost Estimate (Based on One Year Use)**

Contingency @ 10%	1 Each	\$141,000	
Bond	1 Each	\$39,000	
Insurance	1 Each	\$39,000	
Tax (45% @ 9.3%)	1 Each	\$65,000	
<b>Total =</b>		<b>\$1,583,000</b>	